

PAT-NO: JP411071536A
DOCUMENT-IDENTIFIER: JP 11071536 A
TITLE: RUST PREVENTATIVE TREATING AGENT, RUST
PREVENTIVE TREATMENT AND RUST PREVENTIVE TREATED METAL
PRODUCT
PUBN-DATE: March 16, 1999

INVENTOR-INFORMATION:

NAME
TOKITA, TAKU
OTSUBO, SHIGENOBU
HARADA, YOSHIYUKI
NAKAZAWA, MASATO

ASSIGNEE-INFORMATION:

NAME	COUNTRY
MITSUI CHEM INC	N/A
NIPPON STEEL CORP	N/A

APPL-NO: JP10173165

APPL-DATE: June 19, 1998

INT-CL (IPC): C09D005/08, C09D005/00 , C09D123/26 , C09D163/00 ,
C23F011/00

ABSTRACT:

PROBLEM TO BE SOLVED: To obtain the subject treating agent having excellent corrosion resistance, capable of forming a rust prevention layer manifesting excellent adhesion to a final coating material by including an aqueous dispersing element of an ionomer resin neutralized with a divalent metal.

SOLUTION: The objective treating agent comprises (A) an aqueous dispersing element of an ionomer resin neutralized with a divalent metal (e.g.

Mg),
optionally (B) an epoxy group-containing compound and/or (C) a
reaction product
of the components A and B in an amount satisfying the formula
 $(A)/[(B)+(C)]=(99/1)-(50/50)$. The ionomer resin neutralized with the
metal is
a polymer comprising a high molecular principal chain consisting
essentially of
a hydrocarbon, having a carboxyl group in a side chain and further
allowing at
least one of the carboxyl groups to be neutralized with the divalent
metallic
cation, and, for example, the ionomer resin in which at least one of
carboxyl
groups of an ethylene-unsaturated carboxylic acid copolymer is
neutralized with
a metallic cation is preferably used.

COPYRIGHT: (C) 1999, JPO